XPA-1L

EMOTIVA®

XPA-1L

Monoblock Power Amplifier
User Manual

Important Safety Precautions and Explanation of Symbols

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important installation, operation, and service instructions in this manual.

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltages within the enclosure that may be of sufficient magnitude to constitute a risk of electrical shock to the user.

Please read this Manual thoroughly before attempting to install, configure, or operate the XPA-1L power amplifier. After successful installation and configuration of the XPA-1L, be sure to retain this manual in a safe place for future reference.

Safety is a key component to a long lasting and trouble free installation. Please read and follow all instructions and heed all warnings on the XPA-1L and in this manual. The vast majority of the subsequent safety precautions are common sense. If you are not comfortable with the installation of audio/video entertainment equipment, you should seek the services of a qualified installation professional or call us for help.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT USE THE XPA-1L NEAR WATER OR IN WET LOCATIONS, DO NOT EXPOSE IT TO RAIN OR MOISTURE, DO NOT EXPOSE IT TO DRIPPING OR SPLASHING FROM OTHER SOURCES, AND ENSURE THAT NO OBJECTS FILLED WITH LIQUIDS (SUCH AS VASES) ARE PLACED ON IT. DOING SO MAY RESULT IN DAMAGE TO THE UNIT AND THE RISK OF ELECTRIC SHOCK, WHICH MAY RESULT IN BODILY INJURY OR DEATH.

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER FROM THE XPA-1L. THERE ARE NO USER-SERVICEABLE PARTS INSIDE THE UNIT. REFER ALL SERVICE TO QUALIFIED SERVICE PERSONNEL.

Do not install the XPA-1L near or above any heat sources such as radiators, heating vents, or other apparatus that produce heat. Do not block any ventilation openings or heat sinks. Avoid installing the unit directly above other heat-producing equipment unless sufficient ventilation or forced-air cooling is provided.

Do not install the XPA-1L in locations without proper ventilation. The XPA-1L should not be operated on a bed, sofa, rug, or similar surface that may block vents. The unit should not be installed in an enclosed location such as a bookcase, cabinet, or closed equipment rack unless sufficient forced-air ventilation is provided.

Always install your XPA-1L according to the manufacturer’s instructions and only use attachments or accessories specified by the manufacturer.

Do not install the XPA-1L on any stand, shelf, or other piece of furniture that is unable to support its weight. If a cart is used to move the unit, use caution to avoid injury from tip-over.

Connect the XPA-1L only to power sources of the correct voltage (as shown in this manual and on the XPA-1L unit).

Protect power supply cables from being pinched, walked on, or otherwise damaged. Be especially careful where the power cable enters the power outlet and the unit.

Only connect the XPA-1L to an electrical outlet or extension cord of appropriate type and rating.

DO NOT defeat the safety purpose of a grounding or polarized plug by removing ground pins or using unsafe adapters. A polarized plug has two blades - one wider than the other. A grounding plug has a third ground prong in addition to the two main conductors. The wide blade or third groundling prong is provided for your safety. If the provided plug does not fit your outlet, consult an electrician to replace your obsolete outlet. If you replace the power cord, only use one of similar type and equal or greater current rating.

The power cable for the XPA-1L should be unplugged from the outlet during severe electrical storms, or when unused for a long period of time.

Only replace the fuse(s) in the XPA-1L with fuse(s) of proper value and voltage rating.

The XPA-1L should only be cleaned as directed in the Manual. Avoid spraying liquids directly onto the unit and NEVER spray liquids into the vents. Care should be taken so that small objects do not fall into the inside of the unit.

You should seek service for your XPA-1L by qualified service personnel if any of the following occur:

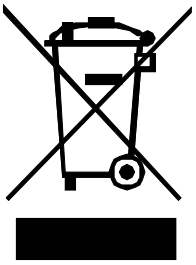
1. The power-supply cord or the plug has been damaged.
2. Objects or liquid have fallen or spilled into the vents.
3. The unit has been exposed to rain.
4. The unit exhibits a marked change in performance.
5. The unit has been dropped, or its enclosure or chassis is damaged.

WARNING: THE XPA-1L IS A FULLY BALANCED AMPLIFIER. THE NEGATIVE SPEAKER TERMINAL IS ACTIVE, AND IS NOT AT GROUND POTENTIAL. DO NOT CONNECT THE NEGATIVE SPEAKER TERMINAL OF AN XPA-1L AMPLIFIER (OR A SPEAKER TERMINALTO WHICH IT IS CONNECTED) TO A CIRCUIT OR COMMON GROUND AND DO NOT CONNECT THE NEGATIVE SPEAKER TERMINALS OF TWO XPA-1L AMPLIFIERS TOGETHER. DOING SO MAY RESULT IN DAMAGE TO THE UNIT OR THE SPEAKER OR CIRCUITRY TO WHICH IT IS CONNECTED.

NOTE: TO COMPLETELY DISCONNECT THE XPA-1L FROM THE AC POWER MAINS, DISCONNECT THE AC POWER CORD FROM THE AC RECEPTACLE.

NOTE: THE POWER CORD ON THE XPA-1L MUST REMAIN READILY ACCESSIBLE AT ALL TIMES.

CAUTION
CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



EMOTIVA®

XPA-1L Differential Reference™ Monoblock Power Amplifier with Switchable Class A or Class A/B Operation

Contents

Important Safety Precautions and Explanation of Symbols

Introduction....3

About This Manual....4

Features....5

Unpacking....6

XPA-1L Front and Rear Panels....7

Quick Start....9

Location and Installation....9

Connections....10

Configuration and Operation....11

Care and Maintenance....12

Specifications....13

Troubleshooting....16

Emotiva Audio Corporation Five-Year Limited Warranty....17

Accessories....19

Notes....20

Introduction

Ask any audiophile what kind of amplifier they dream about owning, and they'll tell you:

> "A set of Class A mono-blocks!"

Audiophiles know that Class A amps sound the best. There is zero crossover distortion, and the output devices are biased up to their most linear operating range. Class A, fully balanced, differential amplifiers, although a rare breed and very hard to find, sound even better! Unfortunately, Class A amps are typically very large, very expensive, and tend to heat up the whole house when you run them. Also, they usually aren't the most powerful amps in the world, either.

Well, we've changed all that! We'd like to introduce you to the new Emotiva XPA-1L, with selectable Class A and Class A/B operating modes. Now you can have both: remarkable sound backed by real power. In Class A/B Mode, the XPA-1L is a potent, superb sounding, fully balanced mono-block Class A/B amplifier – delivering 250 watts into 8 ohms (or 500 watts into 4 ohms) with incredibly low levels of noise and distortion. Flip the switch into Class A Mode and the XPA-1L transforms into a pure Class A, high bias 35 watt sweetheart... with a kick. If you exceed the 35 watt threshold, it seamlessly transitions into Class A/B mode when the signal level goes above 35 watts, allowing it to deliver its full power. You get the awesome purity of Class A for power levels up to 35 watts, with none of the power limitations. (The XPA-1L does run a bit warmer in Class A Mode, but, hey, it's worth it.)

Maybe we should also mention that the XPA-1L also includes the other luxury features you'd expect from a premium amplifier: a machined, gold plated, RCA input connector; heavy duty, gold plated, audiophile grade speaker terminals; a solid milled aluminum face plate with an individually laser-etched serial number plate; and our advanced microprocessor controlled operating system. And did we mention it was fully balanced, and fully discrete? Well, it is.

The Emotiva XPA-1L: the dream made real.

Enjoy

The Emotiva Team

About This Manual

This User Manual will provide you with the information you need to get started enjoying your XPA-1L Differential Reference™ Monoblock Power Amplifier.

We suggest that you read through the entire manual; we kept things as short and direct as possible. Even if you're an expert user, you will probably find some interesting information and useful suggestions.

If you're really in a hurry to get started, please read the Quick Start section (on page 9); you may then read the remainder of the manual at your leisure.

You may wish to keep a copy of this manual with your records, and record serial numbers or other purchase information on the Notes page at the back.

Features

The XPA-1L Differential Reference™ Monoblock Power Amplifier features our fully discrete, high-current, short signal path, class A/B output section, and all the advanced engineering and high quality construction you've come to expect from Emotiva.

The XPA-1L also has an exciting new feature. Flip the front panel switch into the Class A/B posiiton, and the XPA-1L is a superb sounding Class A/B amp, delivering 250 watts into 8 ohms (or 500 watts into 4 ohms) with amazingly low noise and distortion. Flip the switch into the Class A position, and the XPA-1L delivers 35 watts of awesome quality pure Class A sound. And, if you do need more than 35 watts, the XPA-1L automatically transitions back into Class A/B mode to deliver its full rated power. This way you get all of the sound quality of Class A with none of the limitations. (The XPA-1L will get slightly warmer in Class A Mode, but it will never get dangerously hot or exceed CE case temperature safety ratings.)

The XPA-1L: All of the benefits of pure Class A operation; and none of the drawbacks.

Features offered by the XPA-1L include:

- Fully balanced, Differential Reference™ design with quad differential input stage and cross-coupled active current sources.
- Switchable Class A and Class A/B operating modes.
- Massive, high current toroidal power supply.
- Advanced microprocessor operating system which protects the amplifier from all fault conditions.
- Discrete differential front end, no integrated circuits.
- Balanced and unbalanced inputs.
- Trigger input and output.
- Front panel status LED with switchable stealth mode.
- Fully protected from all fault conditions.
- Machined, gold plated, unbalanced RCA input connector.
- Heavy duty, gold plated, clear jacketed audiophile speaker binding posts.
- Soft-touch power switch.
- Solid milled aluminum faceplate.
- Automatic 120/230 AC voltage detection and switching.
- IEC power inlet.
- Laser etched serial number badge.
- Emotiva 5-year transferrable warranty.

You can find more information about the Emotiva XPA-1L on our website at www.emotiva.com.

Unpacking

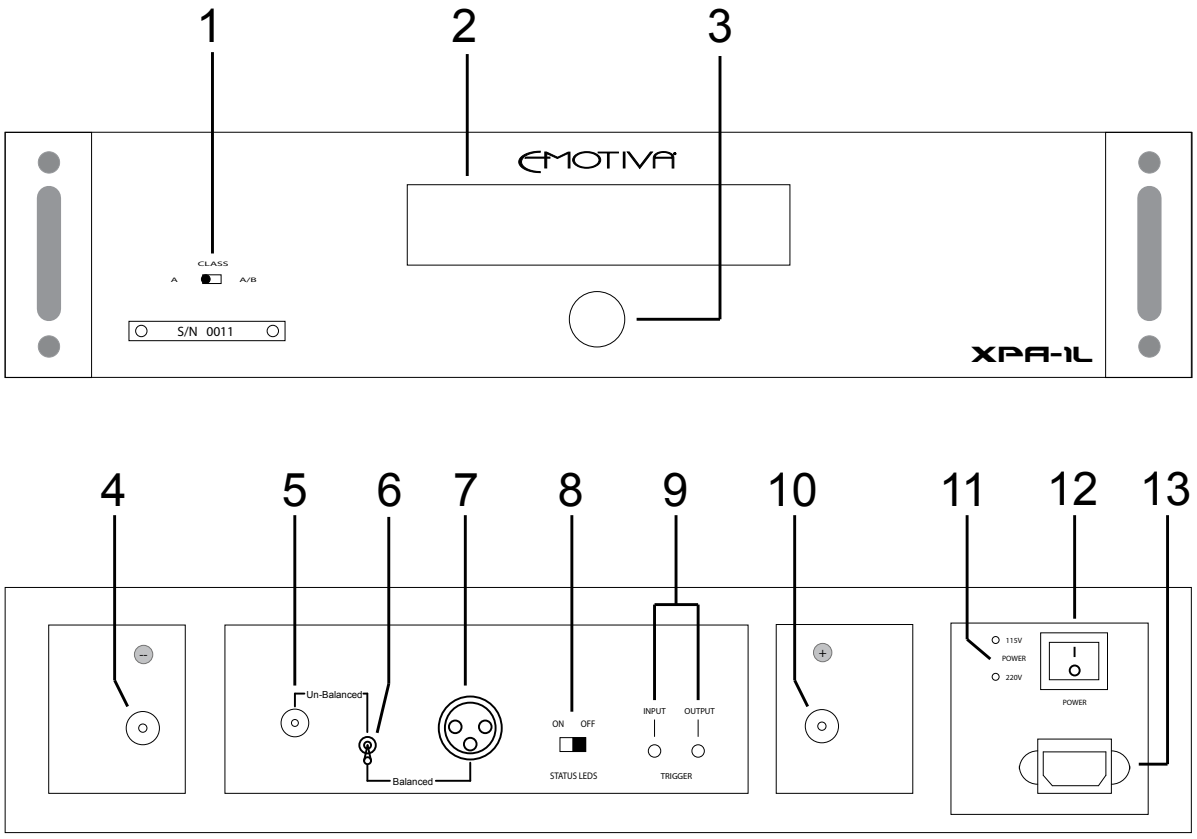
Your XPA-1L was carefully packed and should reach you in perfect condition. If you notice any shipping damage or other issues when you unpack it, please contact Emotiva immediately.

Gently remove your XPA-1L from the packing carton and remove all wrappings and shipping material.

It is important to save the box and all packing materials in case your power amp ever needs to be moved or shipped back to the factory for service.

We truly value customer feedback and would like to hear from you.

XPA-1L Front and Rear Panels



1. Class A - Class A/B Mode Switch

When this switch is in the Class A/B position, the XPA-1L functions as a very high quality, low distortion Class A/B amplifier (250 watts @ 8 ohms / 500 watts @ 4 ohms).

When this switch is in the Class A position, the XPA-1L functions as a pure Class A amplifier for all signals up to 35 watts. If the signal level exceeds 35 watts, the XPA-1L automatically transitions seamlessly into Class A/B mode and delivers its full rated power.

2. Status Display Window

This window houses the status LED. When the XPA-1L is Off or in Standby mode, the Status LED will be unlit. When the XPA-1L is powered On, the Status LED will illuminate red for a few seconds and then turn blue. If a fault occurs, the LED will flash red.

Note: The Status LED switch on the rear panel disables the LED when set to Off.

3. Standby Button

Press to switch the amplifier On; press again to return to Standby; the halo ring around the button illuminates amber for Standby and blue for On.

4., 10. Negative (-) and Positive (+) Speaker Terminals

Audiophile-grade gold plated five-way binding posts accept banana plugs, lugs, or bare wires.

5. Unbalanced (RCA) Input

Solid machined gold-plated RCA jack accepts a line level unbalanced input.

6. Un-Balanced / Balanced Selector Switch

Switches between the Unbalanced (RCA) and Balanced (XLR) input. Up selects the Unbalanced input and Down selects the Balanced input. Only one type of input is active at once. (It is allowed to plug in both balanced and unbalanced sources and use the switch to select between them, but only one will be active at once.)

7. Balanced (XLR) Input

High quality XLR connector accepts a line level balanced input.

8. Status LED Switch

Disables the front panel status LED when set to Off.

9. Trigger Input and Trigger Output

The XPA-1L is switched On (from Standby) when a trigger signal is presented at the Trigger Input; the XPA-1L returns to Standby when the trigger signal is removed. When the XPA-1L is on, a 12 VDC signal is sent from the Trigger Output to control other devices.

11. Input Voltage Indicator

The XPA-1L automatically detects and switches between 115 VAC and 230 VAC. These indicators tell you which line voltage the XPA-1L has detected.

12. AC Power Switch

Switches the main AC power to the XPA-1L On and Off. When this switch is Off, no controls operate (the XPA-1L cannot be turned On from the front panel or by a trigger signal).

11. IEC Power Cord Receptacle

Accepts a standard removable IEC AC power cable (a high-quality commercial power cable is included).

Quick Start

To get the most from your XPA-1L, we urge you to read the entire manual. If you just can't wait to listen to it, this section will cover the basics you need to get started.

- Find a secure location for your XPA-1L (you probably have a pair of them).
- Connect your XPA-1L to a signal source.
- Connect your XPA-1L to a speaker (4 ohm or 8 ohm) using reasonably heavy gauge speaker wires (at least 18 gauge).
- Find some music you *really* like to listen to.
- Turn on the AC Power switch and turn up the volume a bit!
- Enjoy!

While you're enjoying your XPA-1L, it would be a great time to read the rest of the manual to learn more about it.

Location and Installation

Be sure to install your XPA-1L in a location with plenty of ventilation. If you are installing it in an enclosed location, ensure that there is sufficient ventilation or forced air cooling. If you are installing it in a "stack" or rack, ensure that there is sufficient clearance to allow free flow of air on all sides of the XPA-1L. We recommend at least four inches of clearance on all sides for the XPA-1L (if you can't provide sufficient clearance, then forced air ventilation is strongly recommended).

While the XPA-1L will get quite warm in Class A Mode, it will never get dangerously hot, nor will it exceed CE safety limits for case temperature. You should, however, be especially careful to avoid blocking the vents on the XPA-1L when running it in Class A Mode.
If the XPA-1L runs excessively hot due to insufficient ventilation or very high ambient temperature, the intelligent monitoring system will automatically switch it into Class A/B Mode.

Connections

Connecting speakers to your XPA-1L

Your XPA-1L has no special connection requirements; audiophile grade, gold plated, five-way binding posts are provided for connecting one speaker.

- ALWAYS turn off the amplifier before connecting or disconnecting speaker cables or signal source interconnects.
- ALWAYS verify that your speaker cables are firmly attached, and not shorted to each other or to any other cables, before powering up your XPA-1L.
- Always use high-quality speaker wire; 14-gauge or heavier.
- If you must use thinner wire, try to keep the length as short as possible.
- Be careful to wire all speakers “in phase” (the plus/red terminal on each speaker to the plus/red terminal on your amp).
- Try to use wires of equal length and gauge for both speakers in each pair (use the same gauge and length for both fronts, or for both surrounds; don’t use a long 16-gauge wire for one speaker and a short 10-gauge wire for the other).
- If you use stranded cables, use care to avoid short circuits (from stray strands touching).
- Emotiva offers very high-quality, pre-made speaker cables at reasonable prices. You will find them in the Interconnects section of our website at www.emotiva.com.

Connecting an input source to your XPA-1L

Your XPA-1L amplifier has both a balanced (XLR) and unbalanced (RCA) input; a switch selects which input is active. Be sure to set this switch correctly. If your source component offers both types of outputs, a balanced connection is generally preferred, especially for long cable runs and in noisy environments. We suggest using reasonably high quality cables, keeping cables no longer than necessary, and avoiding running signal cables near power cables and speaker cables whenever possible.

DO NOT connect a digital signal to the inputs of your XPA-1L (or you may damage it or your speakers).

Connecting the Trigger Input and Trigger Output

The Trigger Input accepts a 12 VDC (nominal) trigger signal from another device via a standard 1/8” mono plug. When the trigger is asserted, the XPA-1L will switch On; when the trigger is removed, the XPA-1L will return to Standby mode. The Trigger Output sends out 12 VDC whenever the main power to the XPA-1L is On (and NOT when it is in Standby mode) which can be used to switch on other units with trigger capabilities.

Configuration and Operation

Line Voltage

The XPA-1L can operate from line voltages of 115 VAC +/- 10% or 230 VAC +/- 10%. The amplifier will automatically detect which line voltage it is connected to and configure itself accordingly. The Line Voltage indicators will tell you which line voltage the XPA-1L has detected.

AC Power Switch (rear panel)

The rear-panel AC Power switch controls the main AC power for your XPA-1L. When this switch is in the Off position, the amplifier will not operate. Turning it On will put the XPA-1L into Standby mode.

Standby Switch (front panel push button)

Press to switch the amplifier On; press again to return to Standby. The halo ring around the button illuminates amber for Standby and blue for On.

Un-Balanced / Balanced Selector Switch

Switches between the Unbalanced (RCA) and Balanced (XLR) inputs. Up selects the Unbalanced input and Down selects the Balanced input. Only one type of input is active at once. (It is allowed to plug in both balanced and unbalanced sources and use the switch to select between them, but only one will be active at once.)

Status LED Switch

Disables the front panel status LED when set to Off.

Trigger

When a trigger cable is connected to the Trigger Input (on the rear panel), and a trigger signal is received (between 5-20 V - AC or DC), the XPA-1L will switch from Standby to On; when the trigger signal ceases, the XPA-1L will return to Off.

The trigger is typically connected to the preamp or pre/pro that provides a signal source for the XPA-1L, and set to turn the XPA-1L on when the preamp or pre/pro is turned on.

Whenever the XPA-1L is On, the Trigger Output will assert a 12 VDC signal, which may be used to turn on other equipment.

Care and Maintenance

Periodic Maintenance

Your XPA-1L requires no periodic maintenance or calibration.

Cleaning your XPA-1L

- If necessary, the XPA-1L should be cleaned gently with a soft rag.
- If something sticky gets on the front panel or case of the XPA-1L, it should be cleaned with a mild cleaning solution applied to a soft rag, followed by wiping with a clean rag dampened with plain water and drying with a soft dry rag or cloth.

Note: DO NOT spray water or cleaning solution directly onto the XPA-1L or into the vents.

Specifications

Topology:

Fully balanced, fully discrete, quad differential, high current, short signal path,
with user switchable Class A or Class A/B operation.

Number of Channels:

1

Power Output (rated power; THD < 0.1%):

250 watts into 8 Ohms; Class A/B operation.
500 watts into 4 Ohms; Class A/B operation.
35 watts Class A, transitioning to 250 watts Class A/B into 8 ohms; Class A operation.

Note: In Class A mode, the XPA-1L operates in pure Class A mode at all power levels up to 35 watts, at which point it automatically transitions into Class A/B mode.

Rated Power Bandwidth (at rated power; 8 Ohm load):

20 Hz to 20 kHz + / - 0.15 dB.

Minimum Recommended Load Impedance:

4 Ohms (which equals one 4 Ohm load or two paralleled 8 Ohm loads).

Frequency Response:

10 Hz to 80 kHz (+ 0 / - 2 dB).

THD + noise:

< 0.005%

Signal to Noise Ratio (8 Ohm load):

> 90 dB at 1 watt (A-weighted).
> 116 dB at rated power (A-weighted).

Damping Factor (8 Ohm load):

> 500

Speaker Output Connections:

Audiophile grade five-way binding posts, gold plated with clear insulator, 1 pair.

Power Supply:

90,000 uF of storage capacitance.
450 VA heavy duty toroidal transformer.

Input Sensitivity (for rated power; 8 Ohm load):

1800 mV.

Gain:

29 dB.

Input Connections:

Unbalanced (RCA); balanced (XLR); switchable.

Input Impedance:

50k ohms.

Trigger:

Trigger Input: 5 - 20 V (AC or DC); <10 mA input current required.
Trigger Output: 12 VDC; can drive any load up to 100 mA.

Power Requirements:

115 VAC or 230 VAC +/- 10% @ 50 / 60 Hz (automatically detected and switched).

Front Panel Controls and Indicators:

Standby; push button (halo ring changes color to indicate Standby or On).
Status LED; illuminates blue for normal operation, flashes red during power-up or when a fault occurs (may be disabled by rear panel Status LED switch).

Rear Panel Controls:

AC Power switch; rocker switch (switches AC mains power).
Status LED switch; small slide switch (disables front panel Status LED).
Input selector; toggle switch (selects between balanced and unbalanced inputs).

Protection:

The XPA-1L is protected against excessive operating temperature, shorted speaker connections, ground faults, and other common fault conditions.

Dimensions:

17” wide x 3.875” high x 19” deep (includes feet and binding posts).
23” x 24.5” x 8.75” (boxed).

Weight:

35 pounds unboxed (45 pounds boxed).

Troubleshooting

The XPA-1L is carefully designed and manufactured from high-quality precision components to ensure years of trouble free operation. We really doubt you'll ever have any problems with your XPA-1L but, if you do, here are a few things you could try:

Problem: No output (nothing is lit).

Reason: You have no AC power.

- Verify that the rear panel AC Power switch is On.
- Verify that your circuit is live.
- Verify that the line cord on the XPA-1L is fully inserted and is tight.

Problem: The XPA-1L is operating normally, but the front panel status LED is not lit.

Reason: The front panel status LED is turned off.

- Set the Status LED switch on the rear panel to On.

Problem: No sound or distorted sound is heard; the Standby button halo is lit blue; the status LED is lit blue.

Reason: The XPA-1L is not indicating a Fault condition.

- Check your source.
- Check your speakers and speaker connections.

Problem: No sound is heard; the status LED is flashing red.

Reason: The XPA-1L is in Protect mode, which indicates a Fault condition.

- Switch the rear panel AC Power switch Off and On to clear the Fault condition.
- If the fault remains, look for a shorted speaker cable or damaged speaker.
- Check your sources and source connections (a bad interconnect, DC on the input, or an otherwise bad source component can cause a fault).

Problem: The halo around the Standby button is lit amber and the XPA-1L fails to come on when triggered.

Reason: The XPA-1L is in Standby mode and should respond to a valid trigger signal.

- Check your trigger cable.
- Check the trigger settings on your source equipment.

Emotiva Audio Corporation Five-Year Limited Warranty

What does this warranty cover? Emotiva Audio Corporation ("Emotiva") warrants its products against defects in materials and workmanship.

How long does this coverage last? This warranty commences on the date of retail purchase by the original retail purchaser and runs for a period of five years thereafter. This warranty is transferable to any person that owns the warranted product during the Term. Emotiva warrants any replacement product or part furnished hereunder against defects in materials and workmanship for the longer of the following: (i) the amount of time remaining under the original warranty, or (ii) 120 days from your receipt of the repaired or replaced product. The duration described in the previous 2 sentences is hereinafter referred to as the "Term". TO THE FULLEST EXTENT PERMITTED BY LAW, ALL IMPLIED WARRANTIES RELATED TO THE ORIGINAL PRODUCT AND ANY REPLACEMENT PRODUCT OR PARTS (INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) ARE EXPRESSLY LIMITED TO THE TERM OF THIS LIMITED WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. A claim under this warranty must be made by you within the Term. A claim shall not be valid (and Emotiva has no obligation related to the claim) if it is not made within the Term and if it is not made in strict compliance with the requirements of the "How do you get service?" section.

What will Emotiva do? Emotiva will, at its option, either: (i) repair the product, or (ii) replace the product with a new consumer product which is identical or reasonably equivalent to the product. Emotiva may provide you with a refund of the actual purchase price of the product in the event (i) Emotiva is unable to provide replacement and repair is not commercially practicable or cannot be timely made, or (ii) you agree to accept a refund in lieu of other remedies hereunder. When a product or part is repaired or replaced, any replacement item becomes your property and the replaced item becomes Emotiva's property. When a refund is given, the product for which the refund is provided must be returned to Emotiva and becomes Emotiva's property.

What is not covered by this warranty? This warranty does not apply: (i) to damage caused by use with non-Emotiva products, where the non-Emotiva product is the cause of the damage; (ii) to damage caused by service or maintenance performed by anyone who is not a representative of Emotiva; (iii) to damage caused by accident, abuse, misuse, flood, fire, earthquake or other external causes; (iv) to a product or part that has been modified after its retail purchase, where the modification caused or contributed to the damage; (v) to consumable parts, such as batteries; or (vi) if any Emotiva serial number has been removed or defaced and Emotiva cannot otherwise confirm that you are the original retail purchaser.

EMOTIVA SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM OR RELATED TO ANY DEFECTS IN OR DAMAGES TO ITS PRODUCTS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

How do you get service? In order to make a claim under the warranty, you must:

1. Call a customer service representative ("CSR") of Emotiva at 1-877-EMO-TECH (1-877-366-8324). Provide the CSR with a description of your problem and the serial number of the product for which the warranty claim is being made.
2. The CSR will provide you with a returned material authorization number ("RMA").
3. Ship the product to Emotiva at the following address, with the RMA written in large, bold numbers on the outside of the box, and with the letters "RMA" written before the number. Parcels arriving without an RMA number on the outside of the box will be refused.

Emotiva Audio Corporation
Attn: Repair Department
135 Southeast Parkway Court
Franklin, TN 37064

How does state law apply? This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Accessories

Speaker cables

Using high-quality speaker cables and audio interconnects will ensure that you get the best sound quality and maximum reliability from your XPA-1L amplifier and the speaker connected to it. Emotiva Audio offers high-quality speaker cables and audio interconnects that feature solid engineering, premium build quality, excellent performance, and reasonable cost (you will find them on our website at www.emotiva.com).

Rack ears and rack mount brackets for the XPA-1L are available in the accessories section of our website at www.emotiva.com .

Notes

All information contained in this manual is accurate to the best of our knowledge at the time of publication. In keeping with our policy of ongoing product improvement, we reserve the right to make changes to the design and features of our products without prior notice.

EMOTIVA®

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